

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Satoru SUGAWARA

Serial No. : Not Yet Known

Date Filed : Herewith

For : VARIABLE-DIRECTIVITY ANTENNA AND METHOD FOR
 CONTROLLING ANTENNA DIRECTIVITY

Mail Stop Patent Application

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the applicant's duty of disclosure, the information listed in the attached Form PTO-1449 is brought to the attention of the Examiner.

It is respectfully requested that the information cited in annexed Form PTO-1449 be considered by the Examiner in connection with the above-identified patent application, filed concurrently herewith, and that such art be made of record in said application.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that these items are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of the particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

According to the August 5, 2003 OG Notice published by the Patent and Trademark Office, the Office has waived the requirement under 37 C.F.R. §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each cited U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international application that

Application of: Satoru SUGAWARA
Serial No.: Not yet known
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Page 2

Dkt. 2271/71535

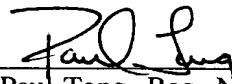
have entered the national stage under 35 U.S.C. §371 after June 30, 2003.

Accordingly, copies are submitted herewith for only references listed on the annexed Form PTO-1449 that are not a U.S. patent or U.S. patent application publication.

The Office is hereby authorized to charge any additional fees which may be required for consideration of this Information Disclosure Statement and to credit any overpayment to our Deposit Account No. 03-3125.

Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



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Form PTO-1449						U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. 2271/71535				Serial No. Not Yet Known				
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)										Applicant: Satoru SUGAWARA										
										Filing Date: Herewith				Group Art Unit:						
U.S. PATENT DOCUMENTS																				
Examiner Initial		Document Number								Date		Name		Class		Subclass		Filing Date if Appropriate		
		5	3	5	7	1	2	3	10-18-94		Sugawara									
		6	0	0	8	7	7	0	12-28-99		Sugawara									
		6	0	7	5	4	9	3	6-13-00		Sugawara et al.									
		6	2	1	9	0	0	1	4-17-01		Sugawara et al.									
		6	4	1	1	1	7	5	6-25-02		Sugawara et al.									
		20	01	/0	01	95	3	1	9-6-01		Sugawara									
		20	02	/0	15	45	9	1	10-24-02		Sugawara									
		20	03	/0	05	35	0	1	3-20-03		Sekiya et al.									
FOREIGN PATENT DOCUMENTS																				
		Document Number								Date		Country		Class		Subclass		Translation		
																		Yes	No	
		JP	6	-	3	5	0	3	3	4	12-22-94		Japan						Abstract	
		JP	1	0-	1	5	4	9	1	1	6-9-98		Japan						Abstract	
		JP	20	01	-	2	4	4	3	1	1-26-01		Japan						Abstract	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																				
EXAMINER								DATE CONSIDERED												
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